

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
 Data File : VN085323.D
 Acq On : 27 Dec 2024 11:13
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Dec 28 01:13:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:10:11 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/30/2024
 Supervised By : Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	146535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	261564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	224166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	40091	19.182	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.360%#		
35) Dibromofluoromethane	8.159	113	30693	18.810	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	37.620%#		
50) Toluene-d8	10.565	98	111985	18.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	37.400%#		
62) 4-Bromofluorobenzene	12.847	95	37918	19.067	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.140%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	38592	19.473	ug/l	98
3) Chloromethane	2.359	50	43217	19.403	ug/l	97
4) Vinyl Chloride	2.512	62	48485	20.583	ug/l	93
5) Bromomethane	2.953	94	31343	20.345	ug/l	99
6) Chloroethane	3.112	64	30158	20.188	ug/l	97
7) Trichlorofluoromethane	3.500	101	63811	20.607	ug/l	96
8) Diethyl Ether	3.959	74	21865	21.325	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	35482	20.140	ug/l	97
10) Methyl Iodide	4.589	142	42319	20.755	ug/l	91
11) Tert butyl alcohol	5.512	59	27123	103.637	ug/l	100
12) 1,1-Dichloroethene	4.342	96	34208	21.007	ug/l	96
13) Acrolein	4.177	56	40956	100.376	ug/l	98
14) Allyl chloride	5.018	41	53265	20.438	ug/l	100
15) Acrylonitrile	5.718	53	87221	105.889	ug/l	98
16) Acetone	4.424	43	73157	106.449	ug/l	97
17) Carbon Disulfide	4.712	76	101412	20.471	ug/l	98
18) Methyl Acetate	5.024	43	43744	20.790	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	113371	21.420	ug/l	97
20) Methylene Chloride	5.277	84	38285	20.711	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	36209	21.286	ug/l	91
22) Diisopropyl ether	6.665	45	120874	21.523	ug/l	99
23) Vinyl Acetate	6.600	43	461817m	114.387	ug/l	
24) 1,1-Dichloroethane	6.565	63	70880	20.952	ug/l	97
25) 2-Butanone	7.477	43	114225	107.133	ug/l	96
26) 2,2-Dichloropropane	7.483	77	63819	21.532	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	42857	21.466	ug/l	97
28) Bromochloromethane	7.806	49	31632	20.120	ug/l #	99
29) Tetrahydrofuran	7.835	42	74837	108.966	ug/l	99
30) Chloroform	7.965	83	72892	21.061	ug/l	95
31) Cyclohexane	8.253	56	61911	20.041	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	64420	20.841	ug/l	92
36) 1,1-Dichloropropene	8.365	75	49840	20.861	ug/l	98
37) Ethyl Acetate	7.553	43	49720	20.937	ug/l	99
38) Carbon Tetrachloride	8.359	117	55847	21.445	ug/l	94
39) Methylcyclohexane	9.600	83	53626	21.633	ug/l	100
40) Benzene	8.606	78	154946	21.450	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	25636	21.079	ug/l	98
42) 1,2-Dichloroethane	8.665	62	57096	22.046	ug/l	98
43) Isopropyl Acetate	8.682	43	82570	21.117	ug/l	99
44) Trichloroethene	9.347	130	36092	21.104	ug/l	96
45) 1,2-Dichloropropane	9.618	63	39400	21.486	ug/l	93
46) Dibromomethane	9.706	93	26782	21.000	ug/l	98
47) Bromodichloromethane	9.882	83	55383	20.894	ug/l	93
48) Methyl methacrylate	9.677	41	36893	21.744	ug/l	98
49) 1,4-Dioxane	9.694	88	11804	461.104	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	241756	110.019	ug/l	100
52) Toluene	10.624	92	93343	21.702	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	55084	21.132	ug/l	94
54) cis-1,3-Dichloropropene	10.306	75	61217	21.718	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	33459	20.604	ug/l	96
56) Ethyl methacrylate	10.871	69	53114	22.458	ug/l	98
57) 1,3-Dichloropropane	11.159	76	61684	21.643	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	118474	103.539	ug/l	100
59) 2-Hexanone	11.194	43	170875	112.081	ug/l	100
60) Dibromochloromethane	11.359	129	39538	21.617	ug/l	98
61) 1,2-Dibromoethane	11.465	107	35034	21.807	ug/l	98
64) Tetrachloroethene	11.100	164	30849	21.718	ug/l	96
65) Chlorobenzene	11.888	112	101427	20.938	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	35030	21.546	ug/l	97
67) Ethyl Benzene	11.959	91	174337	21.640	ug/l	100
68) m/p-Xylenes	12.065	106	132648	44.993	ug/l	100
69) o-Xylene	12.394	106	63003	22.091	ug/l	95
70) Styrene	12.406	104	105054	22.728	ug/l	99
71) Bromoform	12.570	173	24644	21.885	ug/l #	98
73) Isopropylbenzene	12.694	105	160752	22.153	ug/l	98
74) N-amyl acetate	12.488	43	69938	22.517	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	48294	20.897	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	38100m	19.654	ug/l	
77) Bromobenzene	12.976	156	37077	20.623	ug/l	98
78) n-propylbenzene	13.029	91	188143	22.243	ug/l	99
79) 2-Chlorotoluene	13.123	91	117169	22.010	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	132546	22.582	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	16798	21.448	ug/l	99
82) 4-Chlorotoluene	13.217	91	117825	21.976	ug/l	97
83) tert-Butylbenzene	13.435	119	111983	22.025	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	135046	23.107	ug/l	99
85) sec-Butylbenzene	13.612	105	155451	22.026	ug/l	98
86) p-Isopropyltoluene	13.723	119	130425	21.487	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	69890	21.444	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	70759	21.136	ug/l	99
89) n-Butylbenzene	14.053	91	113729	22.006	ug/l	99
90) Hexachloroethane	14.329	117	24441	21.128	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	67480	21.735	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.712	75	9030	21.954	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	33300	21.491	ug/l	99
94) Hexachlorobutadiene	15.500	225	16152	20.980	ug/l	97
95) Naphthalene	15.635	128	111233	21.170	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	32729	21.140	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

